















# Let's build a smarter health system.



# IBM + Google a collaboration to empower the patients and personal health records pHealth 2009, Oslo





# **Agenda**

- Importance of Home Health Care and a smarter approach
- IBM + Google
- Continua Health alliance and open standards
- Conclusions



# Importance of a New Paradigm for Home Health Care

### Economics

- The cost of healthcare is rising (US ~16%, NO ~ 9% of GDP)
- Chronic diseases account for as much as 75% medical care costs

# Demographics

• Life expectancy across OECD countries reached 78.3 years in 2004, up from 68.5 in 1960.

# Key Challenge

 Providing Quality care for a growing elderly population with an increased proportion of chronic disease with limited resources



# **Achieving smarter outcomes in Healthcare**

### SMART IS ...

Monitoring patients at home and detecting an adverse reaction to a new prescription.

### **SMART IS ...**

Letting your medical devices populate your personal health record for you



### **SMART IS ...**

A sensor enriched, patient-centric dashboard that provides a healthcare organization improved visibility for evidence-based care

### **SMART IS ...**

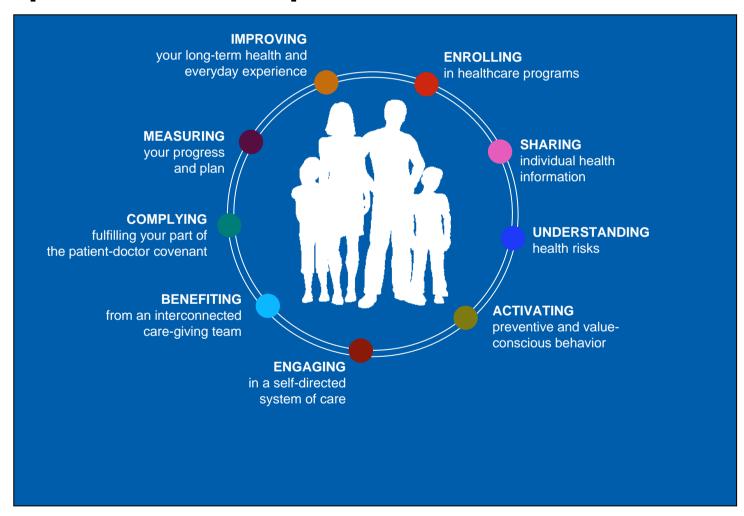
Identifying preventable health issues before a patient arrives at the ER







# At the center of smarter healthcare is an increasingly more personalized experience.



Search the web

Read about health topics »

### ohlsson.stefan

Notices

Drug interactions

■ Profile details

Age, sex, height...

Conditions

Medications

Allergies

Procedures

Test results

Immunizations

Files and images

Add to this profile

- Import medical records
- Explore health services
- & Share this profile
- See who has access

Medical contacts

& Find a doctor

Caring for someone?

Add a profile for them

### Add to this Google Health profile

Learn about your health issues and find helpful resources



### Import medical records

Copy and get automatic updates of your records



### **Explore online health services**

Find online tools for managing your health



### Find a doctor

Search by name, location, and specialty





- No items have been added to this profile. Profiles can contain:
  - Condition
  - Medications
  - Allergies
  - Procedures
  - Test results
  - Immunizations

Add to this profile

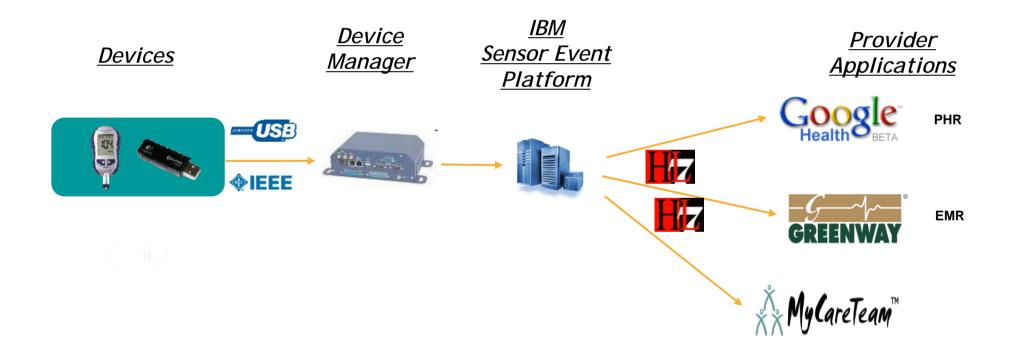
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# **Connected Personal Health example**

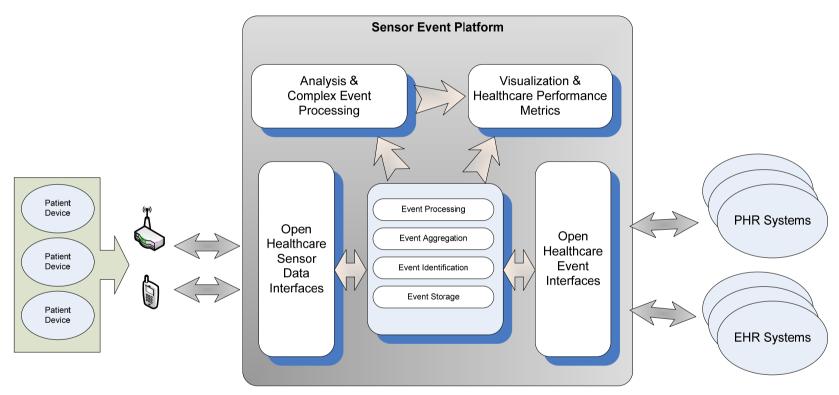


IBM Continua demonstration at HIMSS 2009 Booth # 1468





# **IBM Sensor Event Platform for Healthcare**



### **Sensor Event Platform**

- Software to integrate events from all types of medical devices
- Provides a platform to aggregate, analyze and visualize events
- •Collect and correlate data and events from sensors and repositories, both local and remote (PHRs, EHRs, etc.)
- Standards-based: Continua, IHE, HL7, SOA









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sök efter... Skriv ut... Skriv ut...







# Standards are emerging to make this easier



- Continua is a <u>non-profit open industry alliance</u> of healthcare and IT companies dedicated to advancing the state of the art of personal telehealth:
  - "Fostering independence through establishing a system of interoperable personal telehealth solutions that empower people and organizations to better manage health and wellness."
  - > 175 members (covering spectrum of healthcare solutions)
- Continua selects and drives standards to achieve this mission in three domains
  - Health & Wellness
  - Chronic Disease Management
  - Elderly Monitoring



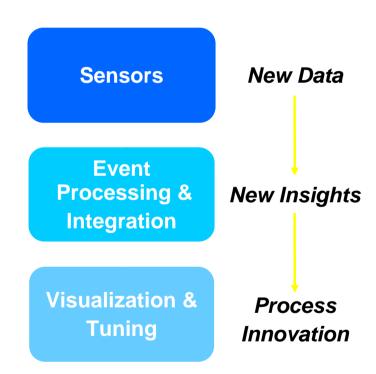
## **Conclusions**

Open standards and Sensor Solutions can be a key enabler for Smarter Healthcare









More information:

https://iheprofiles.projects.openhealthtools.org/



# Thank you!

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